

IN THE CLAIMS

The following is a complete listing of the claims, and replaces all earlier versions and listings.

1. (Currently Amended) Method of transcoding digital data coded according to a first coding mode into digital data coded according to a second coding mode, ~~characterized in that it includes~~ comprising the steps of:

[[-]] detecting (~~E1, E21, E42~~) ~~the~~ an inactivity of resources useful for the transcoding; and [[,]]

[[-]] transcoding (~~E4, E25, E44~~) the digital data coded according to the first coding mode into the digital data coded according to the second coding mode, when the inactivity is detected,

wherein the second coding mode is a coding according to which data is coded by an amplitude curve representing the amplitude of the data along a path amongst the data.

2. (Currently Amended) Method according to Claim 1, ~~characterized in that it also comprises~~ further comprising the steps of:

[[-]] detecting (~~E6, E21~~) a request demanding data coded according to the first coding mode; [[,]]

[[-]] verifying (~~E7, E28~~) that the data demanded [[are]] is coded according to the second coding mode; and [[,]]

[[-]] transcoding (~~E8, E32~~) the data coded according to the second coding mode into data coded according to the first coding mode, if ~~the response~~ a result obtained at the verification in said verifying step is positive.

3. (Currently Amended) Method according to Claim 1 or 2, ~~characterized in that it also comprises~~ further comprising the step of:

[[-]] selecting (~~E3, E24~~) an order of transcoding of the digital data coded according to the first coding mode into the digital data coded according to the second coding mode.

4. (Currently Amended) Method according to Claim 3, ~~characterized in that in which~~ the transcoding order is determined according to the size of the files containing the data to be transcoded.

5. (Currently Amended) Method according to Claim 3, ~~characterized in that in which~~ the transcoding order is determined according to the frequency of requesting the files containing the data to be transcoded.

6. (Currently Amended) Transcoding method according to Claims 1 or 2, ~~characterized in that~~ in which the first coding mode is a coding according to the JPEG standard.

7. (Currently Amended) Transcoding method according to Claims 1 or 2, ~~characterized in that~~ in which the first coding mode is a coding according to the JPEG2000 standard.

8. (Canceled)

9. (Currently Amended) Transcoding method according to Claims 1 or 2, ~~characterized in that~~ in which the data ~~[[are]]~~ is a digital image.

10. (Currently Amended) Device for transcoding digital data coded according to a first coding mode into digital data coded according to a second coding mode, ~~characterized in that it comprises~~ comprising:

[[-]] means ~~[[(21)]]~~ of detecting ~~[[the]]~~ an inactivity of resources useful for the transcoding; and ~~[[,]]~~

[[-]] means ~~[[(26)]]~~ of transcoding the digital data coded according to the first coding mode into the digital data coded according to the second coding mode, when the inactivity is detected,

wherein the second coding mode is a coding according to which data is coded by an amplitude curve representing the amplitude of the data along a path amongst the data.

11. (Currently Amended) Device according to Claim 10, ~~characterized in that it also comprises~~ further comprising:

[[-]] means [[(21)]] of detecting a request demanding data coded according to the first coding mode; [[,]]

[[-]] means [[(21)]] of verifying that the data demanded [[are]] is coded according to the second coding mode; and [[,]]

[[-]] means [[(27)]] of transcoding the data coded according to the second coding mode into data coded according to the first coding mode, if a result of said means of verifying ~~the response at the verification step~~ is positive.

12. (Currently Amended) Device according to Claim 10 or 11, ~~characterized in that it also comprises~~ further comprising:

[[-]] means of selecting an order of transcoding of the digital data coded according to the first coding mode into the digital data coded according to the second coding mode.

13. (Currently Amended) Device according to Claim 12, ~~characterized in that it is~~ adapted to determine the transcoding order according to the size of the files containing the data to be transcoded.

14. (Currently Amended) Device according to Claim 12, ~~characterized in that it is~~ adapted to determine the transcoding order according to the frequency of requesting the files containing the data to be transcoded.

15. (Currently Amended) Transcoding device according to Claims 10 or 11, ~~characterized in that it is~~ adapted to implement a first coding mode, which is a coding according to the JPEG standard.

16. (Currently Amended) Transcoding device according to Claims 10 or 11, ~~characterized in that it is~~ adapted to implement a first coding mode, which is a coding according to the JPEG2000 standard.

17. (Canceled)

18. (Currently Amended) Transcoding device according to Claims 10 or 11, ~~characterized in that it is~~ adapted to process data which ~~[[are]]~~ is a digital image.

19. (Currently Amended) Transcoding device according to Claims 10 or 11, ~~characterized in that the~~ wherein said detection and transcoding means are incorporated in:

[[-]] a microprocessor ~~[[(100)]]~~,

[-] a read only memory [(102)] containing a program for processing the data, and

[-] a random access memory [(103)] containing registers adapted to record variables modified during the execution of said program.

20. (Currently Amended) Digital data processing apparatus [(10)],
~~characterized in that it has~~ comprising means adapted to implement the method according to Claims 1 or 2.

21. (Currently Amended) Digital data processing apparatus [(10)],
~~characterized in that it comprises~~ comprising the device according to Claims 10 or 11.

22. (Currently Amended) Digital data processing apparatus [(10)]
according to Claim 20, ~~characterized in that it~~ wherein said apparatus forms part of a peer-to-peer network.

23. (Currently Amended) Digital photographic apparatus [(20)],
~~characterized in that it comprises~~ comprising means adapted to implement the method according to Claims 1 or 2.

24. (Currently Amended) Digital photographic apparatus [(20)],
~~characterized in that it comprises~~ comprising the device according to Claims 10 or 11.

25. (Currently Amended) ~~Storage~~ A computer-readable storage medium storing a computer program for implementing the method according to Claims 1 or 2.

26. (Currently Amended) ~~Storage~~ A computer-readable storage medium according to claim 25, ~~characterised in that~~ wherein said computer-readable storage medium is detachably mountable on a device according to Claims 10 or 11.

27. (Currently Amended) ~~Storage~~ A computer-readable storage medium according to Claim 25, ~~characterised in that~~ wherein said computer-readable storage medium is a floppy disk or a CD-ROM.

28. (Currently Amended) A computer program stored on ~~an information carrier~~ a computer-readable storage medium, ~~characterized in that it comprises~~ comprising program instructions adapted to implement the method according to Claim 1, when ~~[[this]]~~ the computer program is loaded and executed in a computer system.